

ABSTRACT

[0063] Systems and methods for performing neighbor discovery in a network (100) including a number of nodes are provided. A first node (110) in the network (100) generates a spread signal for alerting other nodes in the network (100) of the presence of the first node (110). The first node (110) broadcasts the signal and a second node (120) receives the signal and calculates an energy associated with the received signal. The second node (120) also determines whether the energy is greater than a threshold and identifies the first node (110) as a neighbor node when the energy is greater than the threshold.